



**OUTLINE SPECIFICATION NOTES**

In line with the Habitat Regulations Assessment, the use of fertilisers and herbicides for the establishment of the proposed planting has been removed.

**GROUNDWORK**

1. Within construction and site compound areas, topsoil will be stripped to 300mm depth and stored in low (less than 2m) mounds for re-use. It will be covered in black polythene to kill the grass and prevent growth of weeds, to minimise weed growth in the maintenance period.
2. Soil required to make up levels will comprise natural subsoil free from boggy, perishable, frozen, builders or degradable materials. It will be loose laid.
3. In accordance with BS 5837:2012, any new trees and specimen shrubs which are located within 3m of services, paths and drives are to have root barriers, to engineers specification.

**TOPSOILING**

4. Subsoil will be dug over with a JCB bucket to 500mm depth to relieve compaction.
5. 300mm topsoil to be spread in native hedgerow planting areas, 0mm for species-rich areas and 1m<sup>2</sup> for each tree. Any imported topsoil to make up volumes will comply with BS 3882, Table 1, multi-purpose topsoil with a pH of 7-8.5.
6. 75mm of spent mushroom compost will be incorporated into the topsoil during cultivation for planting areas.
7. Cultivation of topsoil/subsoil will achieve a friable tilth with levels graded to remove lumps and hollows. Stones over 50mm will be removed from planting areas and over 25mm from grass areas.

**SEEDING AND MAINTENANCE**

9. Species rich grassland and wild bird seeding will be carried out between March and the end of April.
10. Seeding will take place onto a clean seed/turf bed, with 10mm particle size (maximum) to a depth of 100mm.
11. Species rich grassland mix around the solar array (within the security fence) mix will be EM2 Standard General Purpose Meadow Mixture or acceptable equivalent. Species rich grassland mix outside of the security fence, along hedgerows and woodland, will be seeded with EM1 Hedgerow Mixture or acceptable equivalent. Wild bird seed mix along the northern edge of Fields C and F to be WM1 Wild Bird Seed Mix by Kings Cross or acceptable equivalent. The mix is to exclude kale and be supplemented with white or red clover, lucerne or common vetch, to Ecologists recommendations.
12. Species rich grassland will be cut once a year to reduce the vigour of grasses and to remove dead growth in autumn. Areas within security fence to be cut at 50 mm and outside of the security fence at 150 mm. After establishment (typically 3-4 years), areas within the security fence to be lightly grazed by sheep to maintain a sward height of

approximately 50 mm, with grazing activities controlled to maintain species diversity (Refer to the LEMP for further details). Wild bird seed mix (outside of the security fence) does not require a cut and will be re-established annually or every two years.

**PLANTING AND MAINTENANCE**

13. At the end of the defects period bare areas, dead grass, settlement, shrinkage, wheel ruts and other damage will be made good by recultivation, reseeding and returning.
15. Bare root trees and hedgerow shrubs will be planted November - end of February. Container grown trees and hedgerow shrubs will be planted at any time if ground conditions are favourable.
16. Plant quality will comply with the relevant part of BS 3936.
17. Tree planting will be in accordance with BS 4428, Part 7. Shrub planting will be in accordance with BS 4428, Part 9.
18. Trees to be protected with 60 cm spiral rabbit guard, supported with a 0.7m x 32 mm square pointed stake, attached using 1 no. buckle tie and 1 no. spacer. Planting area to be maintained weed free by hand until 100% canopy closure.
19. Topsoil cultivation will achieve a fine tilth and weed free, with soil graded to remove lumps and hollows.
20. Broadleaf P4 or similar approved will be incorporated into topsoil where planting is carried out between March and September in accordance with manufacturer's recommendations.
21. Bottom of planting holes/trenches will be free draining and deeper and wider than the root spread.
22. Native hedgerow shrubs will be protected from rabbits where practical, using brown spiral rabbit guards supported with a bamboo cane.
23. Planting beds will be mulched with 75 mm depth of composted wood bark of 5-75 mm size, to help retain moisture and suppress weeds, to minimise maintenance.
24. Tree pits will be 600-750 mm deep and 0.9-1.2 m diameter, depending on tree size. Trees will be planted 1.5 m away from existing hedgerows to avoid roots.
25. Tree pit backfilling will comprise 75% topsoil with 25% peat-free compost.
26. Maintenance will include removal of weeds with maximum weed heights permitted of 150mm; removal of dead weeds by hand; maintenance of a 1.2 m diameter grass free circle around trees in grass; watering during dry periods; hedge trimming; tree stake, rabbit and netlon guard reinstatement; firming plants after frost heave.
27. Existing and proposed hedgerows to be relaxed to allow growth up to 3 m in height.
28. The rewinding areas will mainly be left un-manage to allow re-colonisation by locally occurring species. Low key management will be undertaken every two years to avoid complete bramble cover and to manage undesirable species. Management will be via mechanical cutting and hand pulling.
29. At the end of the defects dead, dying, missing or defective plants will be replaced except as a result of vandalism.

Code	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	Number	Comments	
Ac	<i>Acer campestre</i>	Common Maple	8-10	250-300	B	2x; Feathered; 5 breaks	As shown	18	See notes 18-29	
Ag	<i>Alnus glutinosa</i>	Common Alder	8-10	250-300	B	2x; Feathered; 5 breaks	As shown	33		
Bpe	<i>Betula pendula</i>	Common Silver Birch	8-10	250-300	B	2x; Feathered; 5 breaks	As shown	21		
Bpu	<i>Betula pubescens</i>	Downy Birch	8-10	250-300	B	2x; Feathered; 5 breaks	As shown	43		
Cb	<i>Carpinus betulus</i>	Common Hornbeam	8-10	250-300	B	2x; Feathered; 5 breaks	As shown	48		
Ms	<i>Malus sylvestris</i>	Crab Apple	8-10	250-300	B	2x; Feathered; 5 breaks	As shown	15		
Pa	<i>Prunus avium</i>	Wild Cherry	8-10	250-300	B	2x; Feathered; 5 breaks	As shown	28		
Qr	<i>Quercus robur</i>	Common Oak	8-10	250-300	B	2x; Feathered; 5 breaks	As shown	6		
Sa	<i>Salix alba</i>	White Willow	6-8	250-300	B	2x; Light Standard; clear stem 150-175 cm; 3 breaks	As shown	25		
Sc	<i>Salix caprea</i>	Goat Willow	6-8	250-300	B	2x; Light Standard; clear stem 150-175 cm; 3 breaks	As shown	17		
Sar	<i>Sorbus aria</i>	Whitebeam	6-8	250-300	B	2x; Light Standard; clear stem 150-175 cm; 3 breaks	As shown	18		
Sau	<i>Sorbus aucuparia</i>	Rowan	6-8	250-300	B	2x; Light Standard; clear stem 150-175 cm; 3 breaks	As shown	31		
<b>TOTALS</b>								<b>303</b>		

Code	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	Number	Comments
Native Hedgerow Mix	<i>Crataegus monogyna</i>	Common Hawthorn	-	40-60	B	1+1; Transplant - seed raised	30	2688	Plant in 2 rows, 0.45m apart at 0.45m staggered centres, in groups of 3-15 no.
	<i>Ilex aquifolium</i>	Common Holly	-	40-60	3L	Leader with laterals	10	896	
	<i>Ligustrum vulgare</i>	Native Privet	-	40-60	B	0/1; Cutting; branched; 2 breaks	35	3136	
	<i>Prunus spinosa</i>	Blackthorn	-	40-60	B	1+1; Transplant - seed raised; branched; 2 brks	20	1792	
	<i>Rosa canina</i>	Dog Rose	-	40-60	B	1+1; Transplant - seed raised; branched; 2 brks	5	448	
<b>TOTALS</b>								<b>8960</b>	

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- GENERAL NOTES:**
1. ALL DIMENSIONS AND LEVELS SHALL BE CHECKED ON SITE PRIOR TO CONSTRUCTION WORK COMMENCING.
  2. ALL LANDSCAPE DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEER'S AND ARCHITECT'S DRAWINGS AND SPECIFICATIONS.
  3. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE LANDSCAPE SPECIFICATION.
  4. ANY DISCREPANCY CONCERNING THE DRAWINGS SHOULD BE REFERRED TO THE CA IMMEDIATELY.
  5. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
  6. ALL LEVELS IN METRES.
  7. DO NOT SCALE OFF THIS DRAWING.
  8. EXISTING SERVICE ALIGNMENTS SHALL BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION WORK COMMENCING.

**KEY:**

- Site boundary
- Permissive footpath
- Existing overhead utility/electricity lines
- Proposed solar panels 2.5m high refer to drawing 3352\_P\_DT\_3\_01
- Proposed solar panels 3m high refer to drawing 3352\_P\_DT\_3\_01
- Proposed DNO switch housing
- Proposed customer substation
- Proposed inverter transformer unit

**Softworks**

- Existing woodland
- Existing tree (surveyed) refer to arboricultural survey by Hillside Trees
- Existing tree (not surveyed) for context
- Existing tree to be removed - Category U refer to arboricultural survey by Hillside Trees
- Buffer zone for ancient and veteran trees
- Existing whip tree planting Based on topographical survey and field survey
- Existing hedgerow Based on topographical survey

**Hardworks**

- Proposed access track refer to drawing 3352\_P\_DT\_3\_04
- Proposed 3m high CCTV camera refer to drawing 3352\_P\_DT\_3\_03
- Proposed 2.5m high post and wire security fencing refer to drawing 3352\_P\_DT\_3\_02
- 1.2m high timber post and rail fencing (to rewinding areas) refer to note 11
- Proposed wild bird seed mix grassland (0.5 ha total) refer to note 12
- Hibernacula
- Proposed steel palisade security fencing - 2.4 m high (around DNO customer substation) Finish: Powder coated, matt finish, Colour: Green RAL 6005 Moss Green
- Proposed substation hardstanding to engineers specification

- DRAWING NOTES:**
- To be read in conjunction with:
- 3352\_L\_GA\_0\_01 Masterplan
  - 3352\_L\_GA\_1\_01 Landscape Mitigation and Enhancement Plan Inset 1 of 3
  - 3352\_L\_GA\_1\_02 Landscape Mitigation and Enhancement Plan Inset 2 of 3
  - 3352\_L\_GA\_1\_03 Landscape Mitigation and Enhancement Plan Inset 3 of 3
  - 3352\_L\_GA\_1\_04 Landscape Mitigation and Enhancement Plan Inset 4 of 4
  - 3352\_P\_DT\_3\_01 PV Mounting System Detail
  - 3352\_P\_DT\_3\_02 Fence and Gate Detail
  - 3352\_P\_DT\_3\_03 CCTV Detail
  - 3352\_P\_DT\_3\_04 Access Tracks Detail
  - 3352\_P\_DT\_3\_05 Transformer Substation Detail
  - 3352\_P\_DT\_3\_06 Inverter Detail
  - 3352\_P\_DT\_3\_07 Spares Container Detail
  - 3352\_LEMP\_Landscape and Ecological Management Plan

Rev.	Date	Description	Drawn	Ch'd
A	09/12/2021	Minor amendments	JH	AS
B	16/12/2021	Updated drawing notes	JH	AS
C	17/06/2022	Updated proposals to respond to comments from the local authority	JH	AS
D	23/06/2022	Updated specification notes - removal of fertilisers and herbicides	JH	AS

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Environmental Planning EIA Landscape Architecture Ecology

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ERSUN (WESTHIDE SPV) LTD

PROJECT  
WESTHIDE SOLAR

TITLE  
LANDSCAPE MITIGATION AND ENHANCEMENT PLAN

Status: PLANNING	Drawn: JH	Checked: LF
Scale: 1:2000@A1	Date: 03.12.2021	Approved: AS

Drawing Number:  
3352\_L\_GA\_0\_02

Rev: D

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